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 INFORMATION DISCLOSURE CITATION BY APPLICANT		APPLICANT: Hiroyuki Baba	
		FILING DATE: May 30, 2001	GROUP ART UNIT: 2856

U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date If Appropriate
J	A	4,660,410	4/1987	Asano et al	310	329	10/1984
	B						
	C						
	D						
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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
J	L	8-304169	11-1996	Japan	—	—	Abstract
J	M	10-48041	2-1998	Japan	—	—	Abstract
J	N	62-103526	5-1987	Japan	—	—	Abstract
	Q						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

R	Patent Abstracts of Japan, vol. 011, no. 311 (p 625), 12 Oct. 1987 (1987-10-12) & JP 62-103526 A (Nippon Denso Co Ltd; Others: 01), 14 May 1987 (1987-05-14) *abstract; fig. 1*
S	Patent Abstracts of Japan vol. 1998, no. 06, 30 April 1998 (1998-04-30) & JP 10-048041 A (Denso Corp), 20 February 1998 (1998-02-20) *abstract; figures 3B,4*
T	Patent Abstracts of Japan vol. 1997, no. 03, 31 March 1997 (1997-03-31) & JP 08 304169 A (Nippondenso Co Ltd), 22 November 1996 (1996-11-22) *abstract; figure 1*

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SERIAL NO.
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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass	Filing Date If Appropriate
	A	4,660,410	4/1987	Asano et al			10/1984
J	B	5,635,629	6/1997	Masahito et al	73	35.11	
	C						
	D						
	E						
	F						
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	H						
	I						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation
J	L	0 721 108 A	10/1996	EP			yes
J	M	7-218370	8/1995	Japan			Abstract
	N						
	Q						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

R	Patent Abstracts of Japan, vol. 1995, no. 11, 26 Dec. 1995 (1995-12-26) - & JP 07 218370 A (NGK Spark Plug Co. Ltd), 18 Aug. 1995 (1995-08-18).
S	
T	

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